

# PATENT


## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Docket No.: SCHIERLING-7

In re Application of:	)	
HUBERT SCHIERLING	)	
Appl. No.: 10/599,968	)	
Filed: October 16, 2006	)	
Int. Appl. No.: PCT/EP2005/051544	)	Confirmation No.: 7486
For: METHOD AND DEVICE FOR DETECTING	)	
A DEGREE OF POLLUTION OF AN	)	
OPERATIONAL CONVERTER	)	

### INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

CERTIFICATION OF EFS-WEB TRANSMISSION	
I hereby certify that this paper is being EFS-Web transmitted to the U.S. Patent and Trademark Office, Alexandria VA 22313-1450, on <u>June 6, 2007</u> .	
Date	
<u>Henry M. Feiereisen</u> (Name of Registered Representative)	
 (Signature)	<u>6-6-2007</u> (Date of Signature)

S I R:

In accordance with 37 C.F.R. 1.56, applicant wishes to call the attention of the Examiner to the references listed on enclosed form PTO-1449 which were cited in the International Search Report issued by the European Patent Office with regard to the corresponding International patent application No. PCT/EP2005/051544 and in a German Office Action issued by the German Patent Office with regard to the corresponding German patent application No. 10 2004 018 578.6, respectively. Applicant does not admit that any of the cited documents constitutes prior art against the pending application.

Copies of these references are submitted herewith along with form PTO-1449. The Examiner is requested to initial the attached form PTO-1449 and to return a copy of the initialed document to the undersigned as an indication that the attached references have been considered and made of record.

This Information Disclosure Statement is filed before the mailing of a first Office Action on the merits, so that no fee under 37 C.F.R. §1.97 is due.

In order to satisfy the requirement under 37 C.F.R. §1.98(a)(3) for a concise explanation of the relevance of each item of information, applicant herewith submits a copy of the International Search Report. In addition, applicant notes with respect to any information that is not in English language as follows:

International Publication No. WO 2004/027963 describes a switching power supply unit which includes at least one switch (S) which is triggered by a triggering circuit (AST) and via which an input DC voltage (Uv) is connected and disconnected. A thermal model (THM), by means of which the temperature of at least one component (S; D3, D4, UET) can be calculated or estimated, is implemented within a control device (STE), at least one load-dependent current value being supplied to the thermal model as an electrical parameter. The control device (STE) supplies at least one limiting signal (abs, a la) according to the calculated or estimated temperature values when predefined threshold values or a function of several threshold values are/is attained. The limiting signal (abs, a la) is used to lower the temperature. At least one limiting signal (abs) acts upon the triggering circuit so as to lower the temperature and consequently reduce performance.

German Patent No. DD 233 205 discloses an apparatus for recognizing contaminations that may jeopardize electric insulations. The apparatus includes a disc-shaped insulating body having a defined surface area which is demarcated by electrodes which are spaced from one another at a distance which is small in relation to width. An active cooling element is arranged on the opposite side of the insulating body to ensure a constant temperature distribution for the measuring surface, whereby the temperature is different from the ambient temperature.

German Offenlegungsschrift DE 102 54 419 A1 describes an abnormality detector for motor drive system to easily detect, using a CPU, abnormality such as short circuit or disconnection in magnetic field coils of a motor, wiring, an open/close element, etc., which are controlled by a microprocessor (CPU). The open/close elements conducting an open/close operation sequentially in response to pulse outputs P1, P2 generated by the CPU, drive the magnetic field coils. Surge voltages generated upon interrupting the mentioned open/close elements are OR connected through a diode, and input to a temporary storage circuit. Then the CPU reads out, stores and resets the surge voltages using pulse edges of the pulse output P1 or P2. When any generation of the surge voltage is not stored in the temporary storage circuit, the CPU operates an abnormality alarm display.


Publication "Betriebseinführung daxx-OEM, Frequenzumrichter, 1998" describes in Section 6.2 warnings and in Section 6.3 error messages, that may occur during operation of the frequency converter. The warning „excess temperature" may be triggered, e.g., when the cooling body is contaminated, whereby the converter is then switched off.

The above-identified application discloses and claims an invention patentable over this prior art. Entry of the references above set forth into the file of the above application is believed to be in order and is respectfully requested.

The Commissioner is hereby authorized to charge any fees which may be required, or credit any overpayment to Deposit Account No. 06-0502.

Respectfully submitted

By:



Henry M. Feiereisen  
Agent for Applicant  
Reg. No. 31,084

Date: June 6, 2007  
350 Fifth Avenue, Suite 4714  
New York, N.Y. 10118  
(212) 244-5500  
HMF/RL:af